

September 7, 2023
File No. 25222081.00

Ms. Cindy Koepke
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Subject: Materials Management Plan Addendum
Hartmeyer Property Development
2007 Roth Street, Madison, WI
BRRTS #s 03-13-000053 and 02-13-580328

Dear Ms. Koepke:

SCS Engineers (SCS) is submitting this Materials Management Plan (MMP) Addendum in response to your email of July 28, 2023, with questions regarding the MMP that SCS submitted on behalf of Lincoln Avenue Capital on July 7, 2023. The questions posed in your email are reproduced below in italics with our responses shown below each question.

- 1. A map or maps showing an overlay of the building and road areas and the contaminated soil areas*

An updated copy of the previously submitted drawing titled **Figure 2 – Site Plan** is attached. The drawing shows the existing site conditions with the proposed buildings and roadways outlined in red and storm-water ponds outlined in blue.

The estimated limits of petroleum contamination based on laboratory data and field observations noted in soil boring logs are shown with dashed lines. The soil within the dashed lines does not necessarily exceed residual contaminant levels (RCLs) for petroleum-related contaminants, but soil within these areas should be evaluated for evidence of contamination during excavation to identify the correct disposal method (i.e. biotreatment versus direct landfill disposal).

Many of the detailed boring logs in the proposed development area show evidence of suspected cinders or “possible foundry sand” typical of the urban fill found in former low-lying areas of the isthmus and near east side of Madison. Although not specifically delineated on the map, excavated soil with documented arsenic or polynuclear aromatic hydrocarbons (PAH) concentrations greater than RCLs or showing visible quantities of cinders or suspected foundry sand will be managed as contaminated material for disposal at a licensed landfill.

- 2. A cut and fill map or cross-sections showing the depths of excavation (for any purpose: building, road construction, utilities, pool, etc.) and the contaminated soils*

Preliminary drawings showing the estimated cut and fill for site grading and excavation for foundations and on-site utilities are included in **Attachment A**. With the exception of the swimming pool, some storm water features and limited areas around the proposed roads, both the senior and family housing sites show that site grades will be raised as much as 4 feet across the development



area. These drawings show that excavation of contaminated soil will primarily be limited to what is required for the swimming pool, building foundations, utility trenches, and storm water ponds. The proposed swimming pool is located outside the area of identified residual petroleum contamination. With the exception of the northern portion of the south storm water pond, the storm water ponds are also located outside the areas of identified residual petroleum contamination.

3. *Do the maps already submitted show the proposed utility locations or the current locations?*

Both the previously submitted and updated **Figure 2-Site Plan** show existing underground utilities. Proposed underground utilities (water, storm sewer, and sanitary sewer) are shown on the drawings included in **Attachment A**. Existing utilities that run underneath the proposed buildings will be re-routed.

4. *What is the timeline for soil excavation and management?*

At this point the closing date for the property has not been set; however, construction work is expected to begin in the 4th quarter of 2023. Clearing, general grading, and foundation borings will likely occur in 2023, with excavation for footings, underground utilities, and streets following in the first half of 2024. Final landscaping, paving, and related work will be finished when the project is substantially completed in 2025.

5. *What are the estimated soil volumes that will be excavated?*

Based on preliminary estimates, the total volume of contaminated soil to be excavated is approximately 17,000 to 27,000 cubic yards (CY). This volume includes approximately 11,000 to 16,000 CY from on-site footings, ponds, and utilities, and 6,000 to 11,000 CY from road profile and utilities in rights-of way of the new Huxley and Coolidge Streets. The total estimated volume of petroleum contaminated soil to be excavated is 6,500 CY, with the balance of contaminated soil consisting of urban fill.

6. *For Section 4.3, Soil Vapor, provide more specific information on the comparison of site conditions to the RR-800 criteria. I recommend listing the criteria individually and indicating with site specifics whether each is met or not (for example, "the proposed buildings will have ___feet of vertical separation and ___feet of horizontal separation from NAPL," NR 140 PAL exceedances are/are not likely to be within the building foundation area" and similar statements).*

As mentioned in the MMP, chlorinated volatile organic compounds (VOCs) have not been identified as a contaminant of concern via the soil and groundwater sampling that has been performed to date. The vapor screening criteria listed in RR-800 for petroleum contaminants include:

- NAPL – Building has less than 15 feet of vertical separation or less than 30 feet of horizontal separation from NAPL (non-aqueous phase liquid).
- Groundwater (below foundation) – Building has less than 5 feet of vertical separation from groundwater with benzene greater than 1 mg/L.
- Groundwater (contacts foundation) - Groundwater with concentrations above Wisconsin Administrative Code (Wis. Admin. Code) § NR 140 preventive action limit (PAL) has entered the building or is in contact with the building's foundation.

- Soil - Building has less than 5-foot (vertical (a) and horizontal) separation distance from petroleum contaminated soil with the potential for off-gassing(c).
- Preferential pathway - Petroleum vapors are present in utilities that transect a petroleum source area.
- Petroleum odors are present in a building near petroleum source area.

As noted with the above listed criteria in NR-800, the potential for off gassing is related primarily to "...light end distillates (e.g. gasoline). Heavier end petroleum products (e.g. diesel or fuel oil) or heavily weathered light end distillates that no longer contain compounds that are detectable by TO-15 analysis are not likely to be a source of vapors."

The applicability of these vapor screening criteria to the Hartmeyer development is as follows:

- NAPL- Separate phase petroleum product was observed in temporary monitoring wells TW-2, TW-4, and TW-6 in 2007 installed on the Hartmeyer Property at the conclusion of the initial aboveground storage tank (AST) area investigation. Groundwater samples collected in 2004, 2005, and 2006 from MW-13 and MW-14 (located within 60 to 80 feet of the temporary wells that showed free product) did not show petroleum volatile organic compound (PVOC) concentrations greater than PALs. With a finished floor elevation of 857 the building floor will be approximately 6 feet above the water table. Although, this criterion may be applicable to the proposed development, the absence of PVOCs in groundwater greater than PALs in the plume associated with the NAPL contamination, and the source of the NAPL (heating oil that has weathered for at least 15 years) indicate that the potential for off gassing volatile petroleum vapors is minimal.
- Groundwater (below foundation) – Benzene concentrations approaching the 1 mg/L screening criterion have not been detected in groundwater at the site.
- Groundwater (contacts foundation) – While portions of the building's foundation system will extend below the water table, residual petroleum concentrations in groundwater are generally below the PAL. Naphthalene was detected at a concentration between the PAL and enforcement standards (ES) in MW4 installed during the second AST area investigation.
- Soil - It is possible that portions of the building envelope may be located within 5 feet vertically of residual petroleum organic compound contamination in soil based on the residual contaminant concentrations documented in General Engineering's Table A-3 (see MMP Appendix C).
- Preferential Pathway – There is no evidence to suggest that existing or proposed utility construction will exacerbate the potential for vapor intrusion since the proposed building already overlies a portion of the contamination source area.
- Petroleum odors – There are currently no buildings in the petroleum source area, therefore no odors in buildings have been observed.

Based on evaluation of the screening criteria above, the potential for petroleum vapor intrusion appears minimal, but cannot be completely ruled out. As noted in Section 4.3 of the MMP, vapor mitigation measures will be incorporated into the building design to address the potential for petroleum vapor intrusion.

7. Section 5.1, Proposed Soil Management Plan

- a. Provide more details on the possible reuse of Type 2 soils on-site*

- b. *In what circumstances would you consider reuse on-site?*
- c. *What locations would be considered for placement of those soils and a(t) what final depths below ground surface and above the water table?*

Based on the proposed redevelopment plans there will be little opportunity to reuse soil outside the development footprint. As noted in the response to question 1, above, a substantial amount of fill is required within the footprint of the proposed buildings to achieve the desired site grades. Depending on the foundation design and the physical qualities of the soil, it may be possible to re-use some of the excavated soil (Type 2) as fill, above the existing ground surface, within the area of the building footprints. It should be noted that the September 13, 2022 Geotechnical Engineering Report by CGC, Inc., indicated that clay and silt soils excavated on site are not recommended as structural fill because of the moisture conditioning required to achieve the required compaction. However, if suitable *granular* soils that meet Type 2 criteria are encountered it may be possible to re-use the granular material as structural fill.

If Type 2 soil meeting requirements for structural fill is reused on site, it will likely be used below or adjacent to the proposed buildings and will be addressed by the same protective cap as residual/undisturbed in-place site soils containing residual contamination. Reused soil will be placed at a depth no greater than the depth from which it was originally excavated, and we expect that if used it would be primarily placed as fill on top of the existing soil after the upper layer of topsoil has been stripped off. The separation from the water table is expected to be a minimum of 2 feet.

8. *Section 5.3, Vapor Management:*
DNR does not provide engineering design approvals for mitigation systems.
DNR strongly recommends the vapor mitigation system conform to the [ANSI/AARST standard CC-1000-2018-0523](#) (Soil Gas Control Systems in New Construction of Multifamily, School, Commercial and Mixed-Use Buildings – Rev. 5/23) and be installed by a NRPP-certified contractor.

SCS and the project team will consider DNR's recommendation and the applicable portions of the AARST National Consensus Standard CC-1000-2018-0523 when designing and constructing the sub-slab vapor mitigation system (VMS). We anticipate the sub-slab VMS will be integrated with the planned sub-slab drainage system.

9. *Section 5.4, Protective Cap:*
 - a. *Provide a map indicating proposed capped areas (whether by soil, building, road, or other structure)*
 - b. *DNR's RR-709 guidance (attached, along with its companion document RR-528) recommends 2 feet of clean soil over contaminated soil, instead of the 1 foot proposed in your MMP; discuss whether this can be upgraded to a minimum of 2 feet and how it would be protective if only 1 foot.*
 - c. *Will any of the proposed dog runs or children's play areas, both of which could experience digging, be capped areas?*

The proposed cap is limited to the areas affected by the current redevelopment plans for the property. Because of the relatively widespread nature of urban fill soil and associated arsenic and PAH contamination, the entire developed portion of the property will effectively be capped by new buildings, lined pools or stormwater features, asphalt, concrete, or other paving materials, and/or at least 1 foot of clean soil in landscaped areas. The stormwater ponds will incorporate a 40-mil plastic

liner to prevent infiltration and contact with underlying soil. Bio-swales adjacent to the public streets will also be constructed with impermeable liners. The types of ground cover material are shown on the landscape plans provided in **Attachment B**.

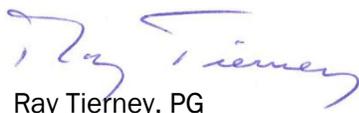
The thickness of the clean soil cap in areas not covered by other materials will be a minimum of one foot. The minimum cap thickness in designated play/dog run areas will be 2 feet. The maximum soil cap thickness will vary depending on the amount of clean fill needed to achieve the desired grades. Because the landscaping will be maintained by a property manager rather than individual residents, the likelihood of unauthorized cap disturbance and exposure of residents and the general public to remaining contaminants in the underlying soil will be minimal. To the extent possible, the full thickness of contaminated materials or 4 feet of contaminated materials (whichever is less) will be removed in areas such as child play areas or dog runs where incidental digging in the soil cap may occur. If the contaminated material remains within 4 feet of the ground surface in capped areas where incidental digging may occur, the clean soil will be underlain by permeable geotextile or similar material to demarcate the bottom of the cap.

Capping materials at this site are intended primarily to prevent direct contact with residual soil contamination greater than non-industrial direct contact RCLs. Given the age of releases on the property and the absence of documented groundwater contamination greater than ESSs, a specific low-permeability cap design is not required to protect groundwater quality.

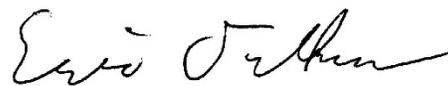
If it appears that the contaminated material in a particular area has been completely removed as a result of redevelopment activities, the project team may elect to collect additional soil samples to confirm that the area has been remediated to applicable RCLs. If the sampling confirms that applicable non-industrial RCLs are not exceeded and documentation of same is provided to DNR, then installation and maintenance of a cap in these areas will not be required.

Please contact us at 608-224-2830 if you have any questions or comments regarding the materials management at the Property.

Sincerely,



Ray Tierney, PG
Vice President
SCS Engineers



Eric Oelkers, PG
Senior Project Manager/Hydrogeologist
SCS Engineers



Mark Huber, PE
Senior Engineer
SCS Engineers

EO/AJR/MRH

Ms. Cindy Koepke
September 7, 2023
Page 6

cc: Kevin McDonell and Kyle Brasser, Lincoln Avenue Capital Management
Brynn Bemis, City of Madison

Encl. Figure 2 – Site Plan (updated)
Attachment A – On-site Earthwork and Utility Excavation Volume Estimates
Attachment B – Site Plans

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Figure 2
Site Plan (updated)

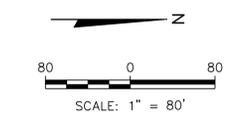


LEGEND

---	PROPERTY LINE
- - - -	PROPOSED PROPERTY LINE
- - - -	EXISTING GRADE (5' CONTOUR)
- - - -	EXISTING GRADE (1' CONTOUR)
----	GUARD RAIL
----	WETLAND
- x - x -	FENCE
	RAILROAD TRACKS
OU	OVERHEAD UTILITY
G	GAS MAIN
UE	UNDERGROUND ELECTRIC
W	WATER MAIN
T	TELEPHONE
SA	SANITARY SEWER
ST	STORM SEWER
[Hatched Box]	EXISTING BUILDING
[Circle with X]	LIGHT POLE
[Circle with Y]	UTILITY POLE
[Circle with Z]	GUY
[Square with A]	ELECTRICAL PEDESTAL
[Circle with B]	STORM MANHOLE
[Circle with C]	SANITARY MANHOLE
[Circle with D]	STORM CATCH BASIN
[Circle with E]	STORM INLET
[Circle with F]	GAS PEDESTAL
[Circle with G]	GAS VALVE
[Circle with H]	WATER VALVE
[Circle with I]	HYDRANT
[Circle with J]	GEC MONITORING WELL
[Circle with K]	BT ² MONITORING WELL
[Circle with L]	BT ² /SCS TEMPORARY MONITORING WELL
[Circle with M]	RAMBOLL GEOPROBE/HAND-AUGER BORING
[Circle with N]	GEC TEST PIT/SOIL BORING
[Circle with O]	BT ² SOIL BORING
[Circle with P]	CGC GEOTECHNICAL BORING
- - - -	APPROXIMATE EXTENT OF KNOWN OR SUSPECTED RESIDUAL PETROLEUM CONTAMINATION IN SOIL
[Blue Dashed Box]	PROPOSED STORM WATER POND
[Red Dashed Box]	PROPOSED BUILDING
[Red Solid Line]	PROPOSED ROAD

NOTES:

1. BASE MAP WITH EXISTING CONDITIONS AND PROPOSED NEW SITE FEATURES PROVIDED BY USD PROFESSIONAL SERVICES ON DECEMBER 12, 2022.
2. SAMPLE LOCATIONS ARE BASED ON FIGURES INCLUDED IN REPORTS PREPARED BY BT SQUARED (BT²), CONSTRUCTION GEOTECHNICAL CONSULTANTS (CGC), GENERAL ENGINEERING CORPORATION (GEC), RAMBOLL AND SCS, AND ARE APPROXIMATE.



SCS ENGINEERS

PROJECT NO. 2522681-00	DRAWN BY: KP	FIGURE 2
DRAWN: 12/22/2022	CHECKED BY: EO	SITE PLAN
REVISED: 08/02/2023	APPROVED BY: EO, 07/20/23	HARTMEYER PROPERTY 2007 ROTH STREET MADISON, WISCONSIN
CLIENT: LINCOLN AVENUE CAPITAL MANAGEMENT 501 W. SHIPLEY BOULEVARD, SUITE 1070 SANTA ANA, CALIF. 92701		FIGURE 2
ENGINEER: SCS ENGINEERS 2830 DARY DRIVE, MADISON, WI 53718-6751 PHONE: (608) 224-2830		

Attachment A

On-site Earthwork and Utility Excavation Volume Estimates



LEGEND

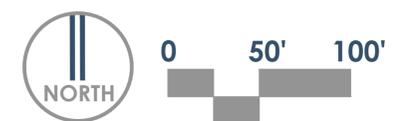
	PROPERTY LINE
	RIGHT-OF-WAY
	EASEMENT LINE
	BUILDING OUTLINE
	BUILDING OVERHANG
	EDGE OF PAVEMENT
	STANDARD CURB AND GUTTER
	REJECT CURB AND GUTTER
	MOUNTABLE CURB AND GUTTER
	8" CONCRETE RIBBON CURB
	ASPHALT PAVEMENT
	HEAVY DUTY ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	RETAINING WALL
	FENCE
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	SANITARY SEWER
	WATERMAIN
	STORM SEWER
	CUT DEPTH
	FILL DEPTH

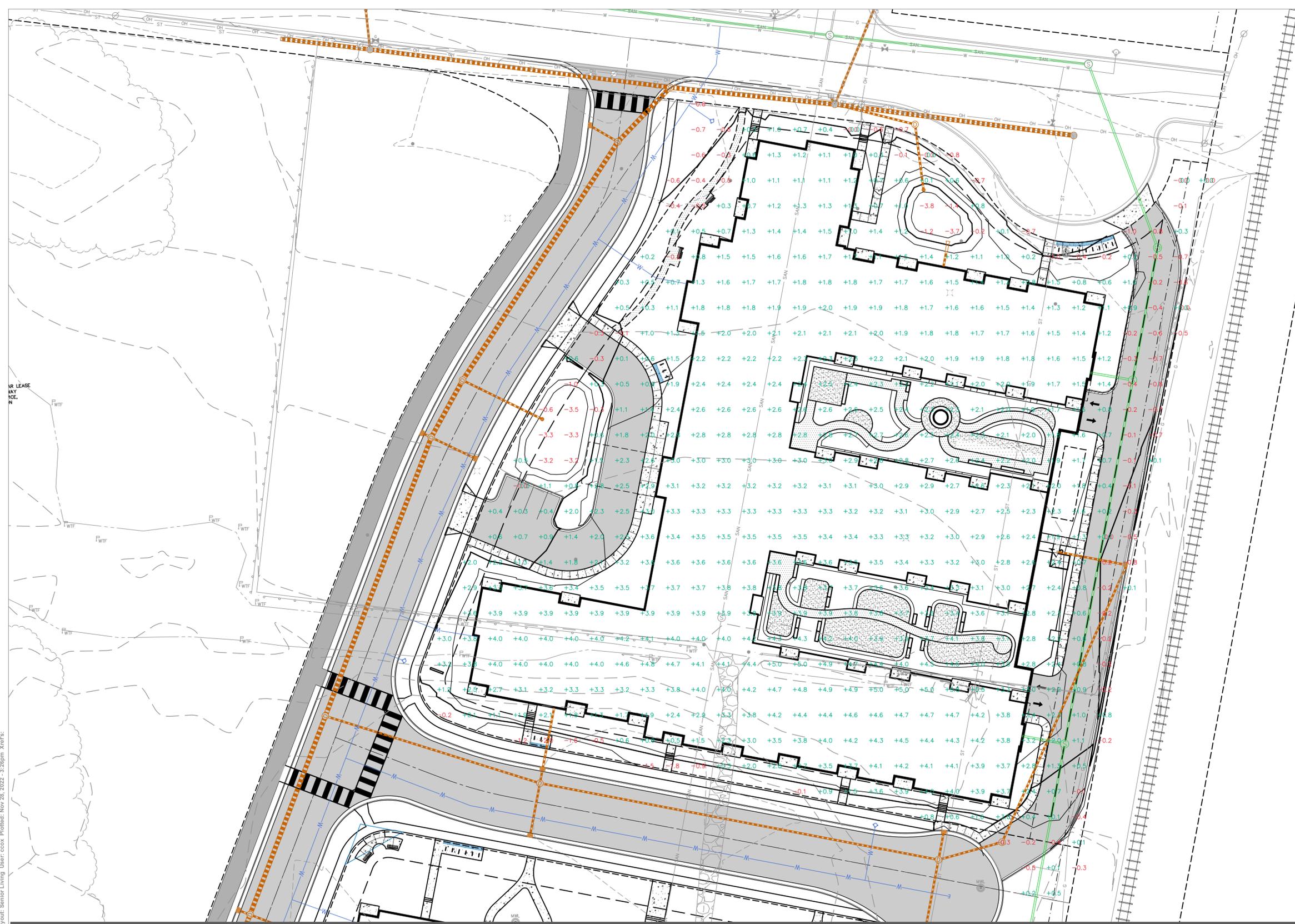
- NOTES:**
- GRID SPACING OF CUT/FILL TICKS IS 20'
 - SURFACE COMPARISON IS FROM THE EXISTING SUBGRADE TO THE PROPOSED SUBGRADE USING THE FOLLOWING ASSUMPTIONS:
 - STRIP 6" EXISTING TOPSOIL
 - BUILDING SLAB DEPTH OF 12"
 - PAVEMENT DEPTH OF 26" (4" ASPHALT, 10" BASE, AND 12" UNDERCUT)
 - SIDEWALK DEPTH OF 12"
 - COURTYARD HARDSCAPE DEPTH OF 12"
 - POOL DEPTH OF 6"
 - BIORETENTION BASIN DEPTH OF 2' (ENGINEERED SOIL)
 - TOPSOIL REPREAD 6"
 - DOES NOT INCLUDE PUBLIC STREETS CONSTRUCTION.

Name	Cut Factor	Fill Factor	Style	2d Area(Sq. Ft.)	Cut(adjusted)(Cu. Yd.)	Fill(adjusted)(Cu. Yd.)	Net(adjusted)(Cu. Yd.)	Net Graph
<input checked="" type="checkbox"/> Ex Sub to Prop Sub - Family Housing	1.000	1.200	JSD_No ...	307601.12	4376.40	18092.29	13715.89<Fill>	

HARTMEYER REDEVELOPMENT
2007 ROTH STREET
 DATE: 11.23.2022

FAMILY HOUSING EARTHWORK



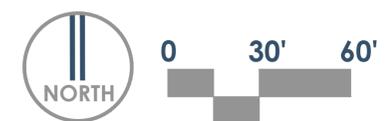


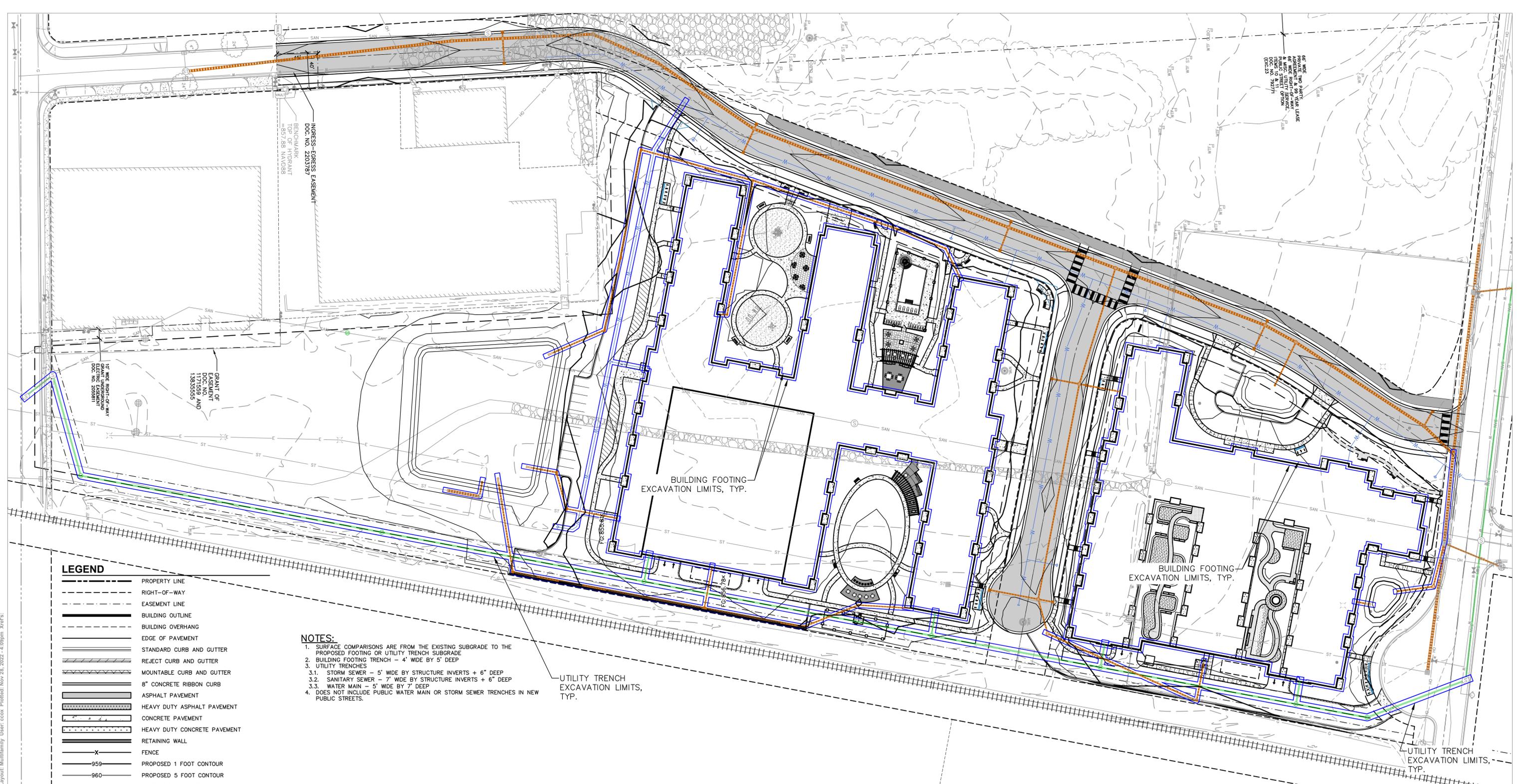
LEGEND

---	PROPERTY LINE
- - - -	RIGHT-OF-WAY
- · - ·	EASEMENT LINE
---	BUILDING OUTLINE
---	BUILDING OVERHANG
---	EDGE OF PAVEMENT
---	STANDARD CURB AND GUTTER
---	REJECT CURB AND GUTTER
---	MOUNTABLE CURB AND GUTTER
---	8" CONCRETE RIBBON CURB
---	ASPHALT PAVEMENT
---	HEAVY DUTY ASPHALT PAVEMENT
---	CONCRETE PAVEMENT
---	HEAVY DUTY CONCRETE PAVEMENT
---	RETAINING WALL
X	FENCE
---	PROPOSED 1 FOOT CONTOUR
---	PROPOSED 5 FOOT CONTOUR
---	EXISTING 1 FOOT CONTOUR
---	EXISTING 5 FOOT CONTOUR
---	SANITARY SEWER
---	WATERMAIN
---	STORM SEWER
-0.1	CUT DEPTH
+0.1	FILL DEPTH

- NOTES:**
- GRID SPACING OF CUT/FILL TICKS IS 15'
 - SURFACE COMPARISON IS FROM THE EXISTING GRADE TO THE PROPOSED SUBGRADE USING THE FOLLOWING ASSUMPTIONS:
 - NO TOPSOIL STRIP DUE TO EXISTING PARKING LOT
 - BUILDING SLAB DEPTH OF 12"
 - PAVEMENT DEPTH OF 14" (4" ASPHALT, 10" BASE)
 - SIDEWALK DEPTH OF 12"
 - BIORETENTION BASIN DEPTH OF 2.25' (NORTH BASIN) AND 2.50' (WEST BASIN) (ENGINEERED SOIL)
 - TOPSOIL REPREAD 6"
 - DOES NOT INCLUDE PUBLIC STREETS CONSTRUCTION.

Name	Cut Factor	Fill Factor	Style	2d Area(Sq. Ft.)	Cut(adjusted)(Cu. Yd.)	Fill(adjusted)(Cu. Yd.)	Net(adjusted)(Cu. Yd.)	Net Graph
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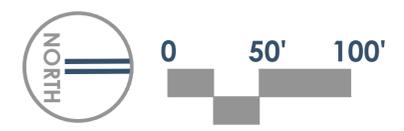
LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY
	EASEMENT LINE
	BUILDING OUTLINE
	BUILDING OVERHANG
	EDGE OF PAVEMENT
	STANDARD CURB AND GUTTER
	REJECT CURB AND GUTTER
	MOUNTABLE CURB AND GUTTER
	8" CONCRETE RIBBON CURB
	ASPHALT PAVEMENT
	HEAVY DUTY ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	RETAINING WALL
	FENCE
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	SANITARY SEWER
	WATERMAIN
	STORM SEWER

- NOTES:**
1. SURFACE COMPARISONS ARE FROM THE EXISTING SUBGRADE TO THE PROPOSED FOOTING OR UTILITY TRENCH SUBGRADE
 2. BUILDING FOOTING TRENCH - 4' WIDE BY 5' DEEP
 3. UTILITY TRENCHES
 - 3.1. STORM SEWER - 5' WIDE BY STRUCTURE INVERTS + 6" DEEP
 - 3.2. SANITARY SEWER - 7' WIDE BY STRUCTURE INVERTS + 6" DEEP
 - 3.3. WATER MAIN - 5' WIDE BY 7" DEEP
 4. DOES NOT INCLUDE PUBLIC WATER MAIN OR STORM SEWER TRENCHES IN NEW PUBLIC STREETS.

Name	Cut Factor	Fill Factor	Style	2d Area(Sq. Ft.)	Cut(adjusted)(Cu. Yd.)	Fill(adjusted)(Cu. Yd.)	Net(adjusted)(Cu. Yd.)	Net Graph
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Footing Excavation - Family Housing	1.000	1.000	JSD_No ...	17590.45	1285.79	46.79	1239.01 < Cut >	
Utility Trench Excavation - Overall	1.000	1.000	JSD_No ...	27238.73	5464.64	24.42	5440.22 < Cut >	

UTILITY TRENCH EXCAVATION - ADJUSTED WITH 6" TOPSOIL STRIP OVER FAMILY HOUSING LOT FAMILY HOUSING UTILITY TRENCH AREA (15,620 SF) x 6" TOPSOIL STRIP = 289.27 CY ADJUSTED CUT=5175.37 FILL = 24.42 ADJUSTED NET=5150.95



File: I:\2022\2211381\DWG\2211381 - Earthwork - Footing and Utilities.dwg Layout: Multifamily User: cox Plotted: Nov 28, 2022 - 4:09pm Xrefs:

Attachment B

Site Plans

PLAN MODIFICATIONS:

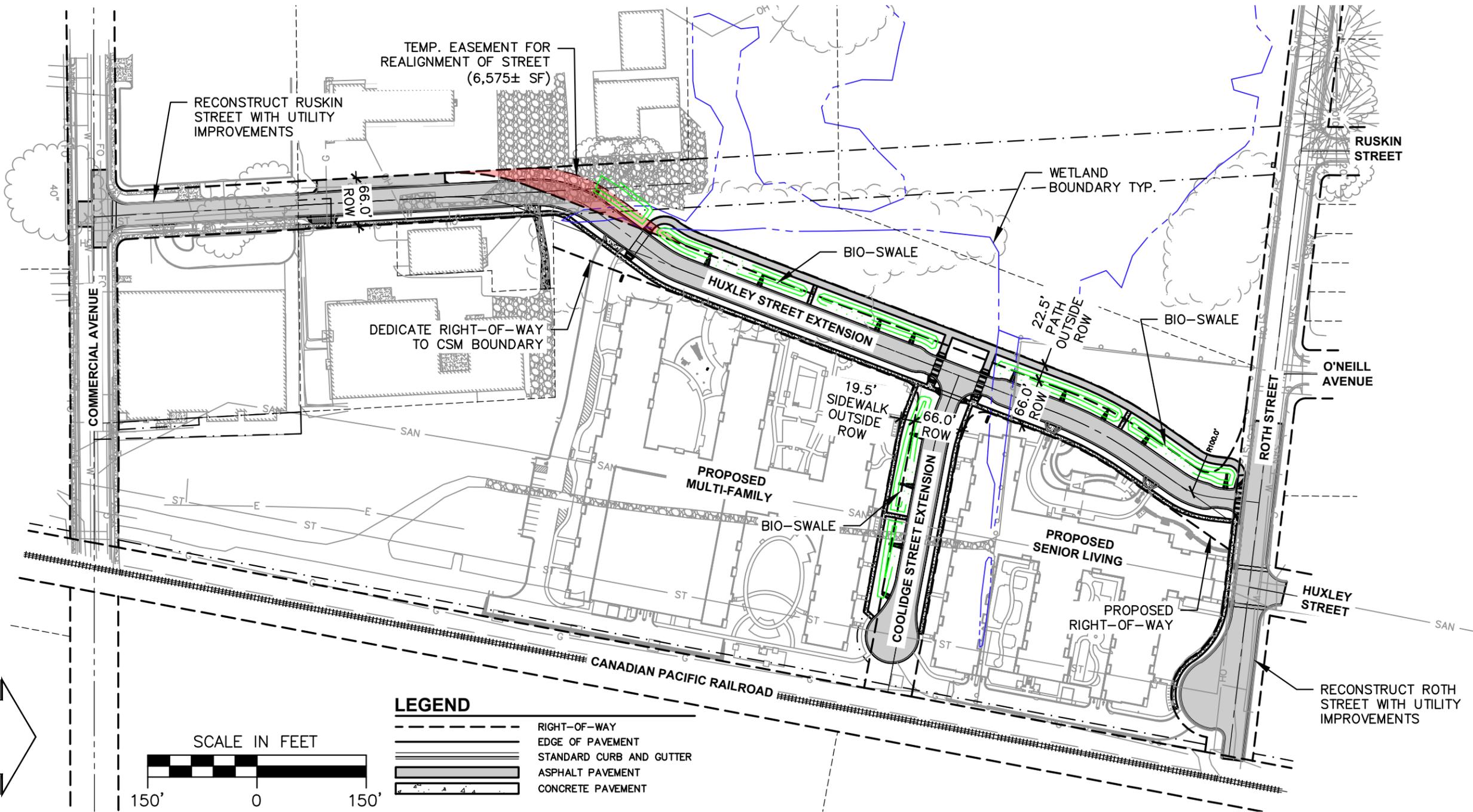
#	Date:	Description:
1	04.05.23	GEOMETRIC/SWM CONCEPTS
2	04.14.23	TRANSPORTATION COMMISSION
3	04.28.23	TRANSPORTATION COMMISSION
4	05.25.23	50% PROGRESS SET
5	06.22.23	50% DESIGN PLANS
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: CAC
Reviewed By: MRH
Approved By: MRH

**OVERALL STREET
GEOMETRICS & TYPICAL
SECTIONS**

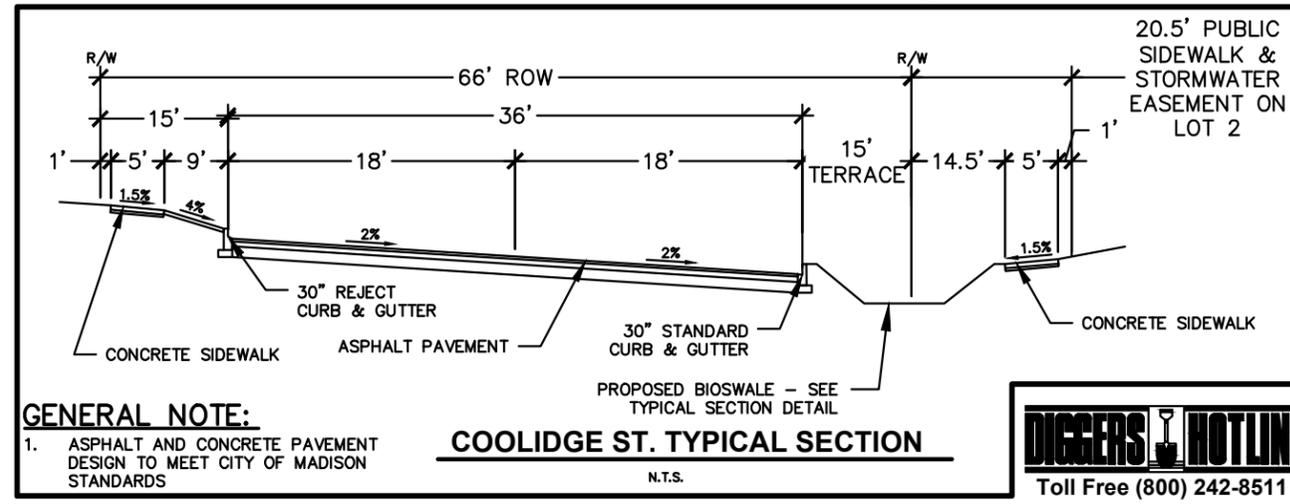
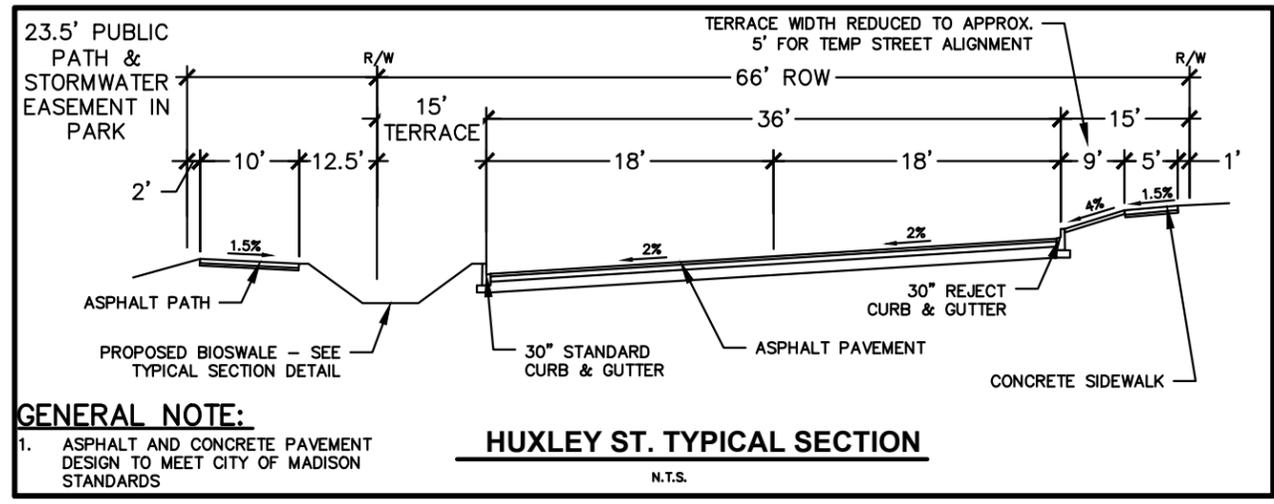
SHEET NUMBER:

C1.0



LEGEND

	RIGHT-OF-WAY
	EDGE OF PAVEMENT
	STANDARD CURB AND GUTTER
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT



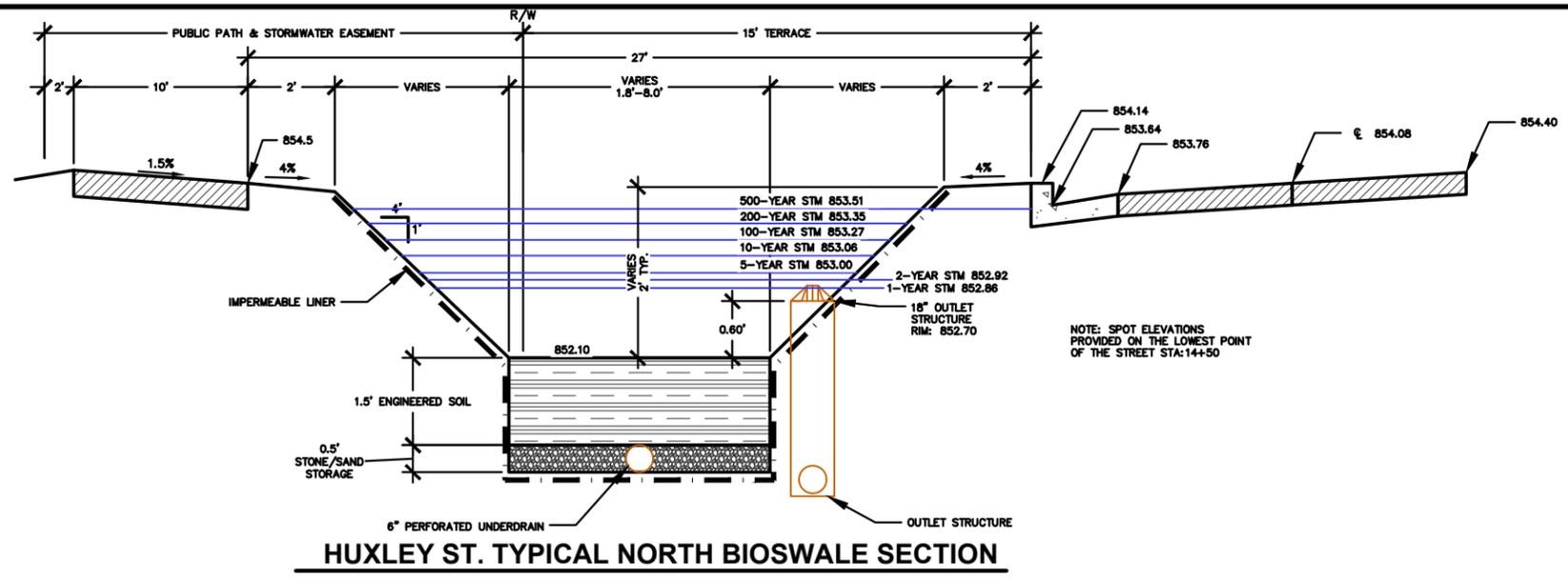
GENERAL NOTE:
1. ASPHALT AND CONCRETE PAVEMENT DESIGN TO MEET CITY OF MADISON STANDARDS

GENERAL NOTE:
1. ASPHALT AND CONCRETE PAVEMENT DESIGN TO MEET CITY OF MADISON STANDARDS



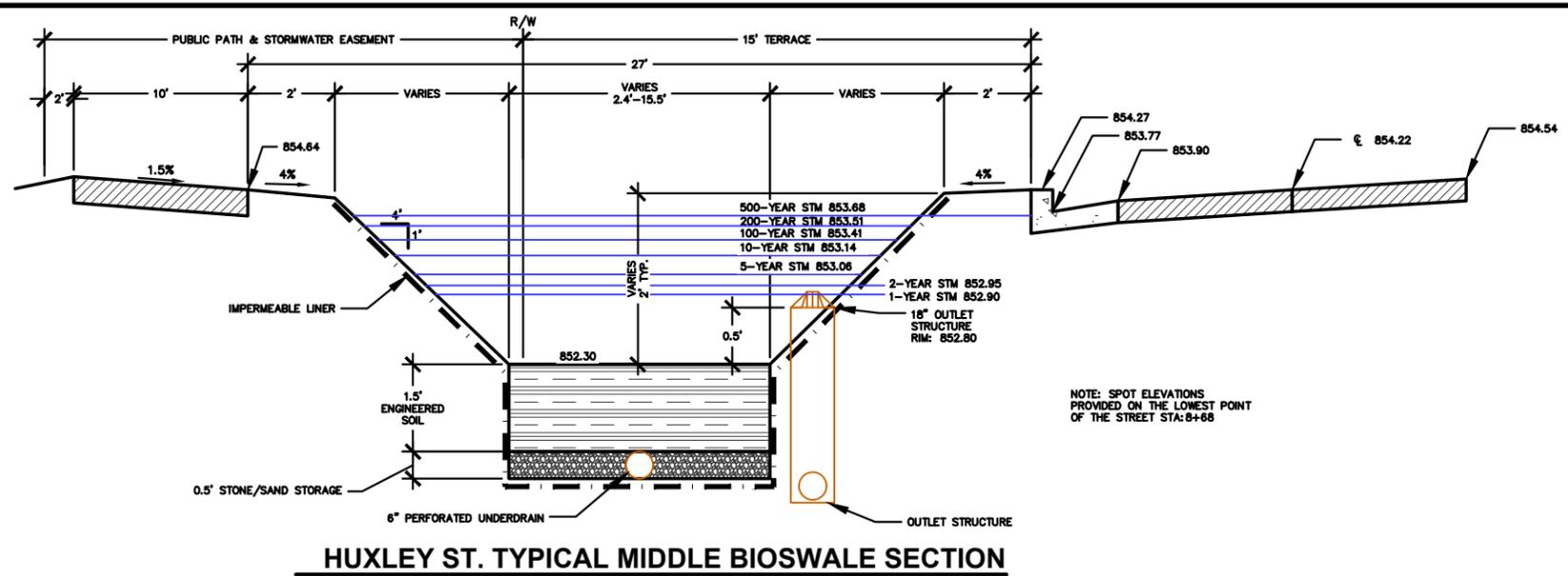
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THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.



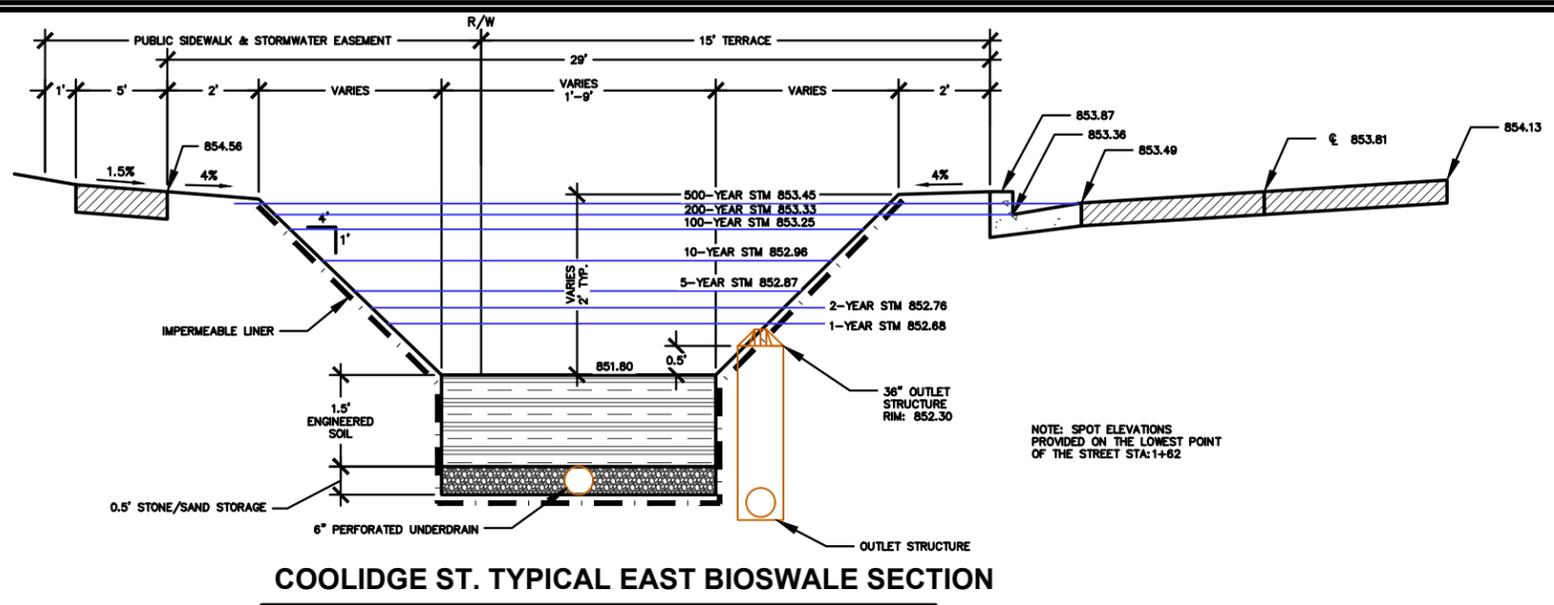
HUXLEY ST. TYPICAL NORTH BIOSWALE SECTION

N.T.S.



HUXLEY ST. TYPICAL MIDDLE BIOSWALE SECTION

N.T.S.



COOLIDGE ST. TYPICAL EAST BIOSWALE SECTION

N.T.S.



CREATE THE VISION TELL THE STORY

jsdinc.com

MADISON REGIONAL OFFICE
161 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
**LINCOLN AVENUE
CAPITAL MANAGEMENT,
LLC**

CLIENT ADDRESS:
401 WILSHIRE BLVD, SUITE 1070
SANTA MONICA, CA 90401

PROJECT:
**HARTMEYER PUBLIC
IMPROVEMENTS**

PROJECT LOCATION:
2007 ROTH STREET
MADISON, DANE COUNTY
WI, 53704

PLAN MODIFICATIONS:

#	Date:	Description:
1	04.05.23	GEOMETRIC/SWM CONCEPTS
2	04.14.23	TRANSPORTATION COMMISSION
3	04.28.23	TRANSPORTATION COMMISSION
4	05.25.23	50% PROGRESS SET
5	06.22.23	50% DESIGN PLANS
6		
7		
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Designed By: CAC
Reviewed By: MRH
Approved By: MRH

SHEET TITLE:
**BIOSWALE PROPOSED
TYPICAL SECTIONS**

SHEET NUMBER:
C1.5



JSD PROJECT NO: 22-11381-PUB

File: I:\2022\2211381_2211381-PUB\DWG\Civil\Sheets\C1.0 - Street Geometrics.dwg Layout: C1.5 BIOSWALE TYPICAL SECTION User: ccox Plotted: Jun 20, 2023 - 3:15pm Xref's:

THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.



THE RIGHT OF WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDED PLAN BY TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENT.

ALL PROPOSED IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY ARE SUBJECT TO CITY-OWNED UTILITIES. CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. IMPROVEMENTS NOT SHOWN ON THIS PLAN ARE SHOWN FOR REFERENCE ONLY. CITY ISSUED PLANS GOVERN.

LEGEND

- PROPERTY LINE
- - - RIGHT-OF-WAY
- BUILDING OUTLINE
- - - BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- RESECT CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- SANITARY SEWER
- WATERMAIN
- STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- RAILING
- FENCE
- VISION TRIANGLE
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- BIKE RACK
- ALUMINUM EDGING
- SEED - BIORETENTION MIX
- NATIVE VEGETATIVE MAT
- DECOMPOSED GRANITE FINES
- ROOFTOP PERENNIAL MIX
- DECORATIVE WASHED COBBLES (SEE SITE PLAN)

Cap Materials

- Pavement
- Buildings
- Lined Bioretention Basins/Ponds
- Clean Soil (Sod/Landscape Plantings)
- Clean Soil (Dog Run/Play Area)

- GENERAL NOTES**
- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
 - ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE MUNICIPAL STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 - JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTION BY ANY OF ALL REGULATORY AGENCIES.
 - DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
 - THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL THE GRADING AND TOPSOILING WITH GENERAL CONTRACTOR.
 - REFER TO "LANDSCAPE DETAILS AND NOTES" SHEET FOR ADDITIONAL DETAILS, NOTES AND SPECIFICATION INFORMATION INCLUDING MATERIALS, GUARANTEE AND EXECUTION RELATED TO LANDSCAPE PLAN.
 - CONTRACTOR SHALL REVIEW SITE CONDITIONS FOR UTILITY CONFLICTS, DRAINAGE ISSUES, SUBSURFACE ROCK, AND PLANT PLACEMENT CONFLICTS PRIOR TO PLANT INSTALLATION. REPORT ANY CONDITIONS THAT MAY HAVE ADVERSE IMPACT ON PLANNING OPERATIONS TO LANDSCAPE ARCHITECT.
 - DO NOT COMMENCE PLANTING OPERATIONS UNTIL ALL ADJACENT SITE IMPROVEMENTS, IRRIGATION INSTALLATION (IF APPLICABLE), AND FINISH GRADING ARE COMPLETE.

SCALE IN FEET
0 20'

DISCIPERS **HOTLINE**
Toll Free (800) 242-8511

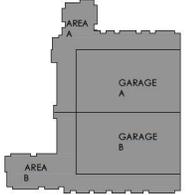
JLA ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W22-0128-01

JSD
JSD PROJECT NUMBER: 22-11381

LINCOLN AVENUE CAPITAL

THE VICTORIA AT HUXLEY YARDS
BID SET
NOT FOR CONSTRUCTION



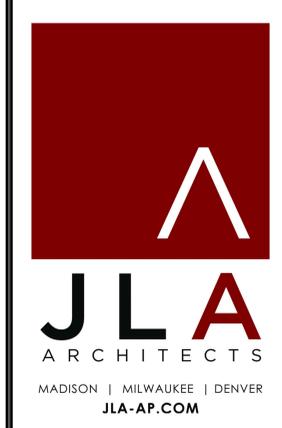
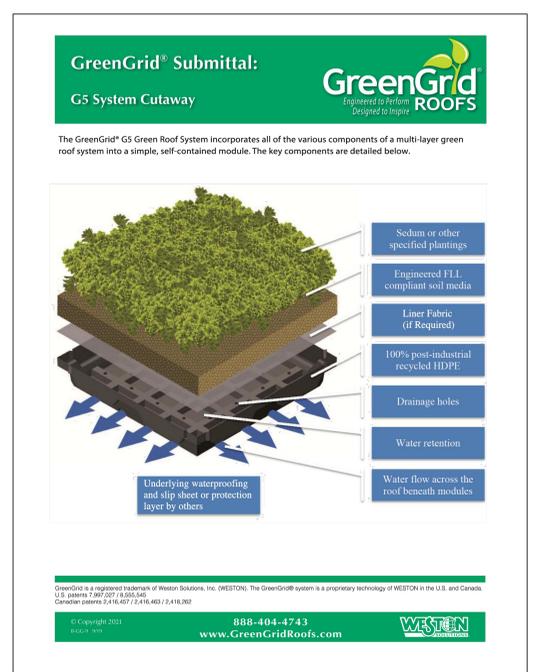
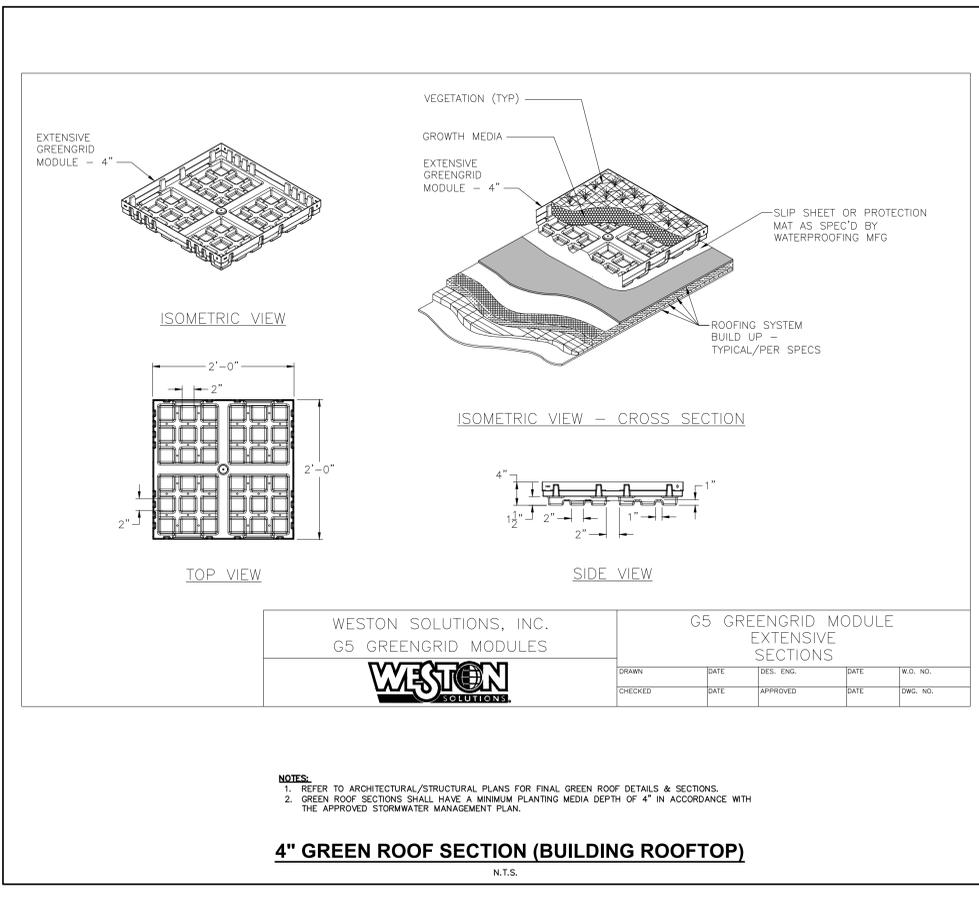
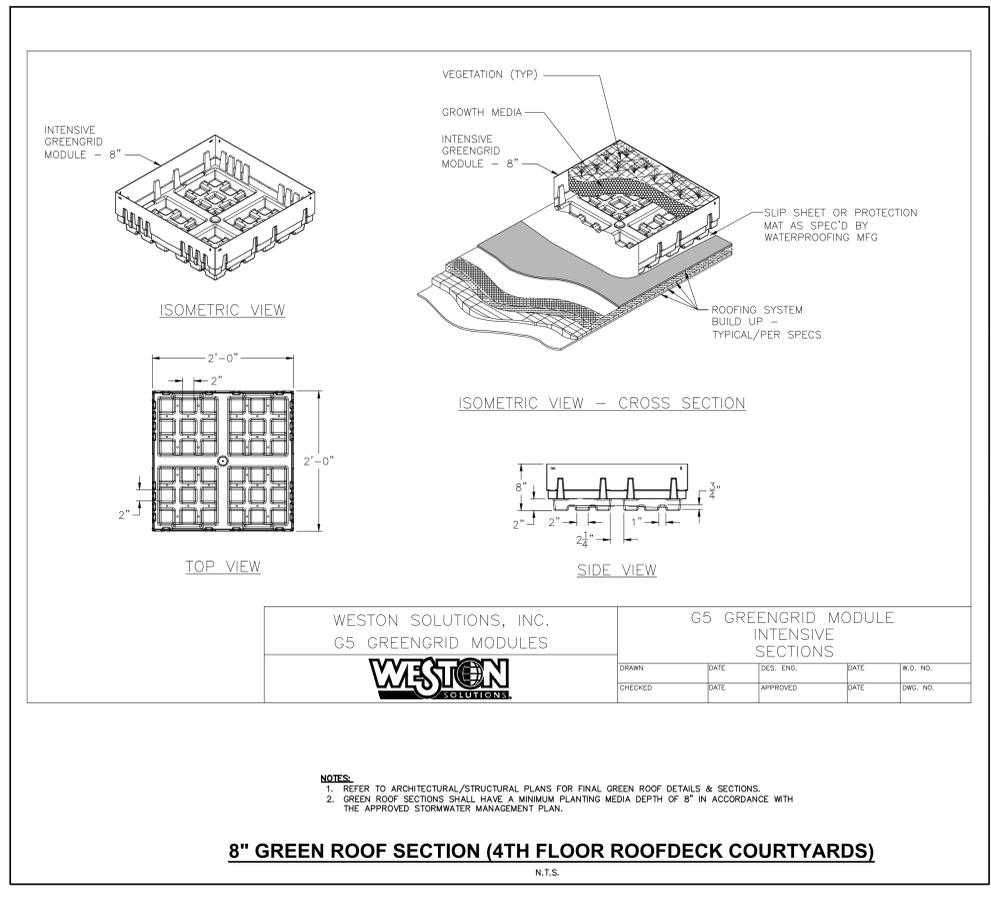
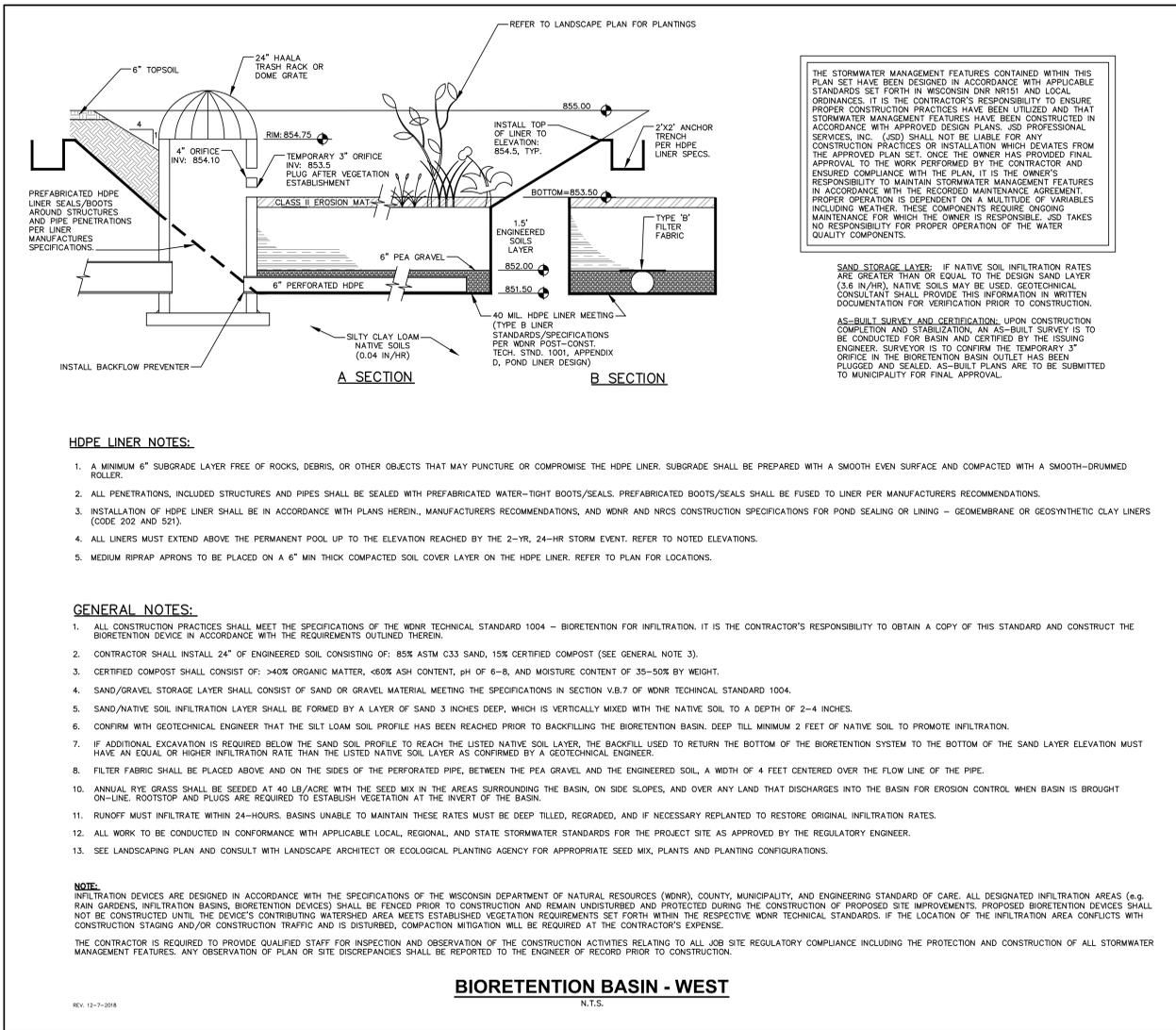
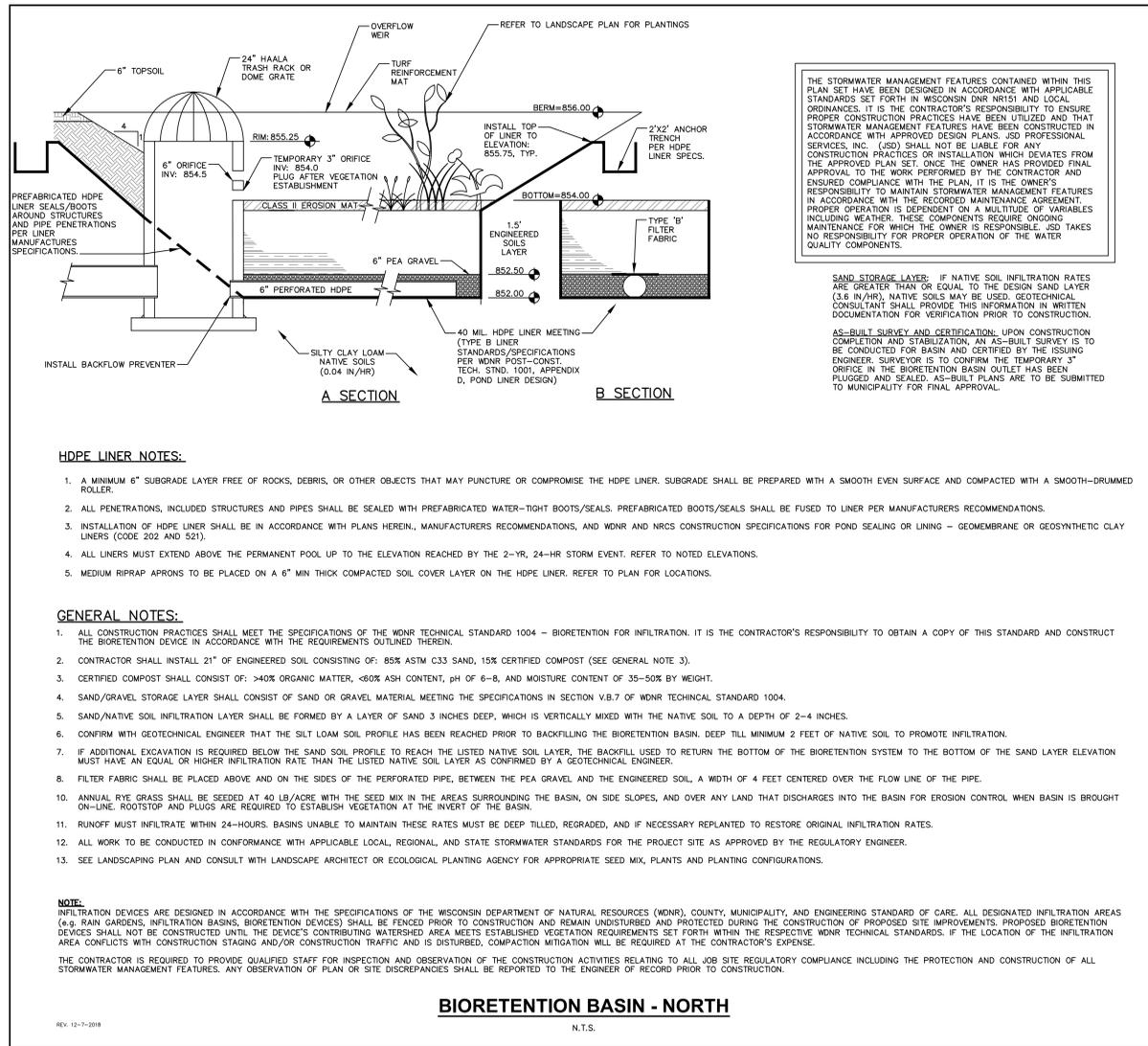
PROGRESS DOCUMENTS
These documents reflect progress and intent and may be subject to change, including additional details. These are not final construction documents and should not be used for final bidding or construction-related purposes.

DATE OF ISSUANCE: JUNE 30, 2023

REVISION SCHEDULE		
Mark	Description	Drawn

SHEET TITLE: **LANDSCAPE PLAN - OVERALL**

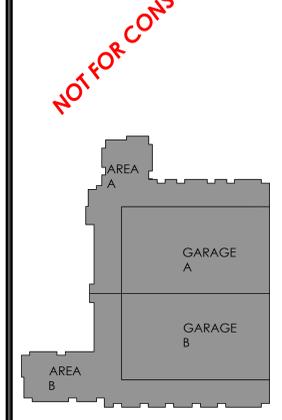
SHEET NUMBER: **L1.0**



JLA PROJECT NUMBER: W22-0128-01
JSD PROJECT NUMBER: 22-11381



THE VICTORIA AT HUXLEY YARDS
BID SET



PROGRESS DOCUMENTS
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DATE OF ISSUANCE: JUNE 30, 2023

REVISION SCHEDULE		
Mark	Description	Date

SHEET TITLE: DETAILS
SHEET NUMBER: C6.2



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File: 1:02022-2211381-DWG-C6.2-SheetN(21)1381 - Con Docs - Section/Building.dwg Location: C6.2 Details User: ccocor Path: Jun 29, 2023, 2:10pm xref:

